What is claimed is:

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- 1. A light emitting diode light source, comprising:
- a printed circuit board with a plurality of side faces;
- a plurality of RGB LED units arranged on one side face of the printed
- 5 circuit board, each LED unit having a red LED, a green LED and a blue LED;

at least one control unit connected to each LED in the RGB LED units and controlling a driving current to the LED, whereby each of the RGB LED units emits a white light with stable color temperature.

- 2. The light emitting diode light source as in claim 1, wherein the LED has an anode and a cathode connected to two pads on each of the RGB LED units, and the pads are electrically connected to corresponding control unit.
 - 3. The light emitting diode light source as in claim 1, wherein the control unit has a memory for storing driving current data for each LED.
- 4. The light emitting diode light source as in claim 1, wherein the control unit is a control IC.
 - 5. The light emitting diode light source as in claim 1, wherein the printed circuit board is made of a material of good thermal conductivity.
 - 6. The light emitting diode light source as in claim 5, wherein the printed circuit board is made of Al.
- 7. The light emitting diode light source as in claim 5, wherein the printed circuit board is made of Cu.

- 8. The light emitting diode light source as in claim 1, wherein the control unit comprises a red-light control unit connected to a red LED, a green-light control unit connected to a green LED and a blue-light control unit connected to a blue LED.
- 9. The light emitting diode light source as in claim 8, wherein the red-light control unit connected to the red LED, the green-light control unit and the blue-light control unit have pin numbers identical to a pin number of the RGB LED unit.

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- 10. The light emitting diode light source as in claim 8, wherein the red-light control unit connected to the red LED, the green-light control unit and the blue-light control unit have pin numbers larger than the pin number of the RGB LED unit.
 - 11. The light emitting diode light source as in claim 1, wherein the control unit is connected in parallel with a corresponding LED.
- 15 12. The light emitting diode light source as in claim 1, wherein the control unit is connected in series with a corresponding LED.
 - 13. The light emitting diode light source as in claim 1, wherein the control unit has at least three pins for controlling a driving current for the red LED, the green LED and the blue LED.
- 14. A light emitting diode light source, comprising :a printed circuit board with a plurality of side faces;

a plurality of LED units arranged on one side face of the printed circuit board and each having a first LED with a first color and a second LED with a second color different from the first color;

at least one control unit connected to each LED in the LED units and controlling a driving current to the LED, whereby each of the LED units emits a light with stable color.

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- 15. The light emitting diode light source as in claim 14, wherein the LED has an anode and a cathode connected to two pads on each of the LED units, and the pads are electrically connected to a corresponding control unit.
- 16. The light emitting diode light source as in claim 14, wherein the control unit has a memory for storing a driving current data for each LED.
- 17. The light emitting diode light source as in claim 14, wherein the control unit is a control IC.
- 18. The light emitting diode light source as in claim 14, wherein the printed circuit board is made of a material of good thermal conductivity.
- 19. The light emitting diode light source as in claim 18, wherein the printed circuit board is made of Al.
- 20. The light emitting diode light source as in claim 18, wherein the printed circuit board is made of Cu.
- 21. The light emitting diode light source as in claim 14, wherein the control unit is connected in parallel with a corresponding LED.

- 22. The light emitting diode light source as in claim 14, wherein the control unit is connected in series with a corresponding LED.
- 23. The light emitting diode light source as in claim 1, wherein the control unit has at least two pins for controlling a driving current for the first LED and the second LED.

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- 24. A light emitting diode light source, comprising:

 a printed circuit board with a plurality of side faces;

 a plurality of LED units arranged on one side face of the printed circuit board and each having an LED;
- at least one control unit connected to each LED in the LED units and controlling a driving current to the LED, whereby each of the LED units emits a light with stable color.
 - 25. The light emitting diode light source as in claim 24, wherein the LED has an anode and a cathode connected to two pads on each of the LED units, and the pads are electrically connected to a corresponding control unit.
 - 26. The light emitting diode light source as in claim 24, wherein the control unit has a memory for storing a driving current data for each LED.
 - 27. The light emitting diode light source as in claim 24, wherein the control unit is a control IC.
- 28. The light emitting diode light source as in claim 14, wherein the printed circuit board is made of a material of good thermal conductivity.

- 29. The light emitting diode light source as in claim 28, wherein the printed circuit board is made of Al.
- 30. The light emitting diode light source as in claim 28, wherein the printed circuit board is made of Cu.